

FCC ID:2BLE5D21**Portable device**

According to §15.247(e)(i) and §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

According to KDB447498 D01 General RF Exposure Guidance V06

The 1-g SAR and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where:

- $f(\text{GHz})$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

EDR:

Modulation	Channel Freq. (GHz)	Conduct ed power (dBm)	Conducte d power (mW)	Tune-up power (dBm)	Max tune-up power (dBm)	Max tune-up power (mW)	Distance (mm)	Result calculation	SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	5.511	3.56	5±1	6.00	3.98	<5	1.23400	3.00	YES
	2.441	5.544	3.58	5±1	6.00	3.98	<5	1.24398	3.00	YES
	2.480	5.175	3.29	5±1	6.00	3.98	<5	1.25388	3.00	YES
π /4DQPSK	2.402	5.196	3.31	5±1	6.00	3.98	<5	1.23400	3.00	YES
	2.441	5.246	3.35	5±1	6.00	3.98	<5	1.24398	3.00	YES
	2.480	4.854	3.06	4±1	5.00	3.16	<5	0.99599	3.00	YES
8DQPSK	2.402	5.346	3.42	5±1	6.00	3.98	<5	1.23400	3.00	YES
	2.441	5.449	3.51	5±1	6.00	3.98	<5	1.24398	3.00	YES
	2.480	5.003	3.16	5±1	6.00	3.98	<5	1.25388	3.00	YES

BLE:

Modulation	Channel Freq. (GHz)	Conduct ed power (dBm)	Conducte d power (mW)	Tune-up power (dBm)	Max tune-up power (dBm)	Max tune-up power (mW)	Distance (mm)	Result calculation	SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	5.302	3.39	5±1	6.00	3.98	<5	1.23400	3.00	YES
	2.44	5.318	3.40	5±1	6.00	3.98	<5	1.24373	3.00	YES
	2.480	4.912	3.10	4±1	5.00	3.16	<5	0.99599	3.00	YES

2.4GWIFI:

Modulation	Channel Freq. (GHz)	Conduct ed power (dBm)	Conducte d power (mW)	Tune-up power (dBm)	Max tune-up power (dBm)	Max tune-up power (mW)	Distance (mm)	Result calculation	SAR Exclusion threshold	SAR test exclusion
802.11b	2.412	7.368	5.46	7±1	8.00	6.31	<5	1.95983	3.00	YES
	2.437	7.824	6.06	7±1	8.00	6.31	<5	1.96996	3.00	YES
	2.462	7.834	6.07	7±1	8.00	6.31	<5	1.98004	3.00	YES
802.11g	2.412	7.458	5.57	7±1	8.00	6.31	<5	1.95983	3.00	YES
	2.437	7.098	5.13	7±1	8.00	6.31	<5	1.96996	3.00	YES
	2.462	7.361	5.45	7±1	8.00	6.31	<5	1.98004	3.00	YES
802.11n(HT20)	2.412	7.77	5.98	7±1	8.00	6.31	<5	1.95983	3.00	YES
	2.437	7.071	5.09	7±1	8.00	6.31	<5	1.96996	3.00	YES
	2.462	7.336	5.42	7±1	8.00	6.31	<5	1.98004	3.00	YES
802.11n(HT40)	2.422	7.55	5.69	7±1	8.00	6.31	<5	1.96389	3.00	YES
	2.437	7.246	5.30	7±1	8.00	6.31	<5	1.96996	3.00	YES
	2.452	7.036	5.05	7±1	8.00	6.31	<5	1.97601	3.00	YES

Conclusion:

For the max result : $1.97601 \leq \text{FCC Limit } 3.0$ for 1g SAR.